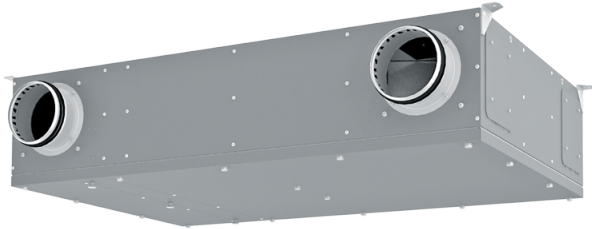


# Uni R A14



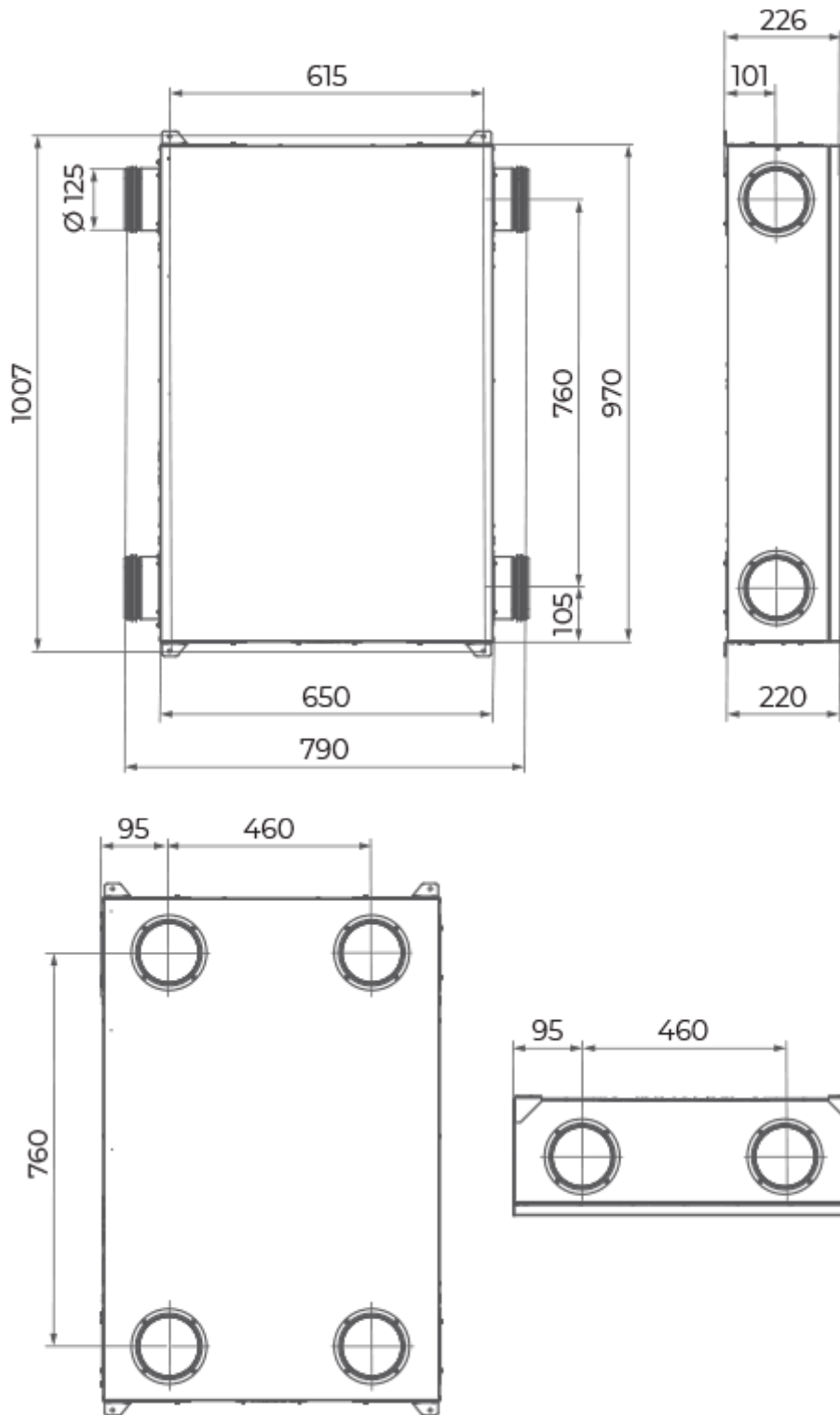
Centralised ventilation unit for small apartments

- Maximum airflow: 160
- Sound pressure level LpA at 3 m: 33
- Sound pressure level LpA at 1 m: 42
- Heat exchanger type: Counter flow
- Extract filter: Coarse 90% / G4
- Supply filter: ePM1 70% / F7 (G4 option)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional
- Temperature sensor: Built-in

	Unit of measurement	Uni R A14		
Connected air duct size	mm	125		
Speed	-	3		
Minimum supply voltage	V	230		
Maximum supply voltage	V	230		
Power supply frequency	Hz	50/60		
Rated power	W	58		
Unit current	A	0.5		
Maximum airflow	m <sup>3</sup> /h	60	90	160
Sound pressure level LpA at 3 m	dB(A)	33		
Sound pressure level LpA at 1 m	dB(A)	42		
Heat recovery efficiency, max	%	95		
Heat exchanger type	-	Counter flow		
Heat exchanger material	-	Polystyrene		
Weight	kg	31		
Extract filter	-	Coarse 90% / G4		
Supply filter	-	ePM1 70% / F7 (G4 option)		
Transported air temperature (max)	°C	40		
Transported air temperature (min)	°C	-25		
ErP compliance	-	2016, 2018		
Cold - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	78.8		
SEC Class Cold	-	A+		

Average - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	41
SEC Class Average	-	A
Warm - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	16.8
SEC Class Warm	-	E
Unit category	-	RVU
Type of ventilation unit	-	Bidirectional
Type of drive installed	-	Variable speed
Type of heat recovery system	-	Recuperative
Thermal efficiency of heat recovery	%	81
Maximum flow rate	m <sup>3</sup> /h	125
Electric power input	W	52
Reference flow rate	m <sup>3</sup> /s	0.027
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.271
Control typology	-	Local demand control
Maximum internal leakage rates	%	2.7
Maximum external leakage rates	%	2.7
Airflow sensitivity at +20 Pa and -20 Pa	%	0
Cold - The annual electricity consumption (AEC)	kWh/a	725
Average - The annual electricity consumption (AEC)	kWh/a	188
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	143
Cold - The annual heating saved (AHS)	kWh/a	8817
The annual heating saved (AHS) Average	kWh/a	4507
The annual heating saved (AHS) Warm	kWh/a	2038
Declared typology	-	RVU BVU
Sound power level	dB(A)	44

## Dimensions








## Accessories

### Other accessories




Name	Photo	Description
SF 233x175x22 G4		Panel filter G4

SF 233x175x22 F7		F7 panel filter
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### Sensors

Name	Photo	Description
<a href="#">HV2</a>		Humidity sensor
<a href="#">HR-S</a>		Electro-mechanical humidistats
<a href="#">CO2-1</a>		CO2 sensors
<a href="#">CO2-2</a>		CO2 sensors
<a href="#">CO2-3</a>		CO2 sensor

### Electrical heaters

Name	Photo	Description
<a href="#">NKD 125-0,6-1 A21 V.2</a>		Duct heater for supply air post-heating with external control
<a href="#">NKD 125-0,8-1 A21 V.2</a>		Duct heater for supply air post-heating with external control
<a href="#">NKD 125-1,2-1 A21 V.2</a>		Duct heater for supply air post-heating with external control